Fine's Problem Loc -> Ball so nisell-) 2 Luc But say 5 Fine BOR -> J.D. to mampaliale 50 J.D. A LOC - BOR $: n Boll \rightarrow (n Loc) v(n J.)$ Objection (svotlickny, Radhead, Brown and Bustonfield (1988)) Fine's Therem Days: Boll -> 3P(J(P)) (Wald 1937) 3R (J(R)) But SBBB exhibited a self model of for which NJ(x), although Bell 15 satisfied

Fine's mistake was to argue from $25(y) \rightarrow 2$ Boll to $25(y) \rightarrow 2$ Boll 10. to complate y with x!

Stapp's Problem PLCD: Principle of Local Counterfactual Definiteness The result of an exportment which could be performed on on a micro system has d definite value which does not depend on the setting of of remote piece of apparatus 1) 95 this true if you don't assume determinism? 2) Can you prove determinism in the Boel experiment?

Cantweight's Broklem Can one more from Bob 4 (a/2) to Prob (a/2,24) and regard of as a partial cause of a Does this prope cousal action m to Bell experiment?

Locality enables us to write To obtain a contradiction and hence a proof of nonlocality choose of to be a simultanoous eigen state of T, Tz nd T3 This enables us to write [Ti] = [Ti] 4 XXX